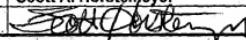


UTILITY PATENT APPLICATION TRANSMITTAL (Only for new nonprovisional applications under 37 CFR 1.53(b))		Attorney Docket No. <input type="text"/> 062020-1440
		First Inventor <input type="text"/> Farrokh Ayazi
		Title CAPACITIVE RESONATORS AND METHODS OF FABRICATION
		Express Mail Label No. <input type="text"/> EV269335295US

APPLICATION ELEMENTS See MPEP Chapter 600 concerning utility patent application contents		ADDRESS TO:	
<input type="checkbox"/> APPLICANT REQUESTS EARLY PUBLICATION UNDER 37 CFR 1.219 (additional fee)			
1.	<input checked="" type="checkbox"/> + Fee Transmittal Form (e.g., PTO/SB/17) (Submit an original, and a duplicate for fee processing)		
2.	<input checked="" type="checkbox"/> + Applicant claims small entity status. See CFR 1.27		
3.	<input checked="" type="checkbox"/> + Specification (preferred arrangement set forth below) [Total Pages] 25 <ul style="list-style-type: none"> - Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed. Sponsored R&D - Reference to sequence listing, a table, or a computer program listing appendix - Background of the Invention - Brief Summary of the Invention - Brief Description of the Drawings (<i>if filed</i>) - Detailed Description - Claim(s) - Abstract of the Disclosure 		
4.	<input checked="" type="checkbox"/> + Drawing(s) (35 USC 113) [Total Sheets] 12		
5.	Oath or Declaration [Total Pages] 4 <ul style="list-style-type: none"> a. <input checked="" type="checkbox"/> Newly Executed (original or copy) b. <input type="checkbox"/> Copy from a prior application (37 CFR §1.53(d)). <i>(For continuation/divisional with Box 18 completed)</i> 		
	<input type="checkbox"/> i. <input checked="" type="checkbox"/> DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).		
6.	<input type="checkbox"/> Application Data Sheet. See 37 CFR 1.76		
	Assignee Georgia Tech Research Corporation Name and Address 505 Tenth Street, NW, Atlanta, GA 30332-0415		
18. If a CONTINUATING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76.			
<input checked="" type="checkbox"/> Continuation <input type="checkbox"/> Divisional <input type="checkbox"/> Continuation-in-part (CIP) of prior application No. / Prior application information: Examiner _____			
<small>For CONTINUATION OR DIVISIONAL APPS only. The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. This incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.</small>			

18. CORRESPONDENCE ADDRESS			
<input checked="" type="checkbox"/> Customer Number or Bar Code Label 24504 <input type="checkbox"/> Correspondence address below <small>(Insert Customer No. or Attach bar code label here)</small>			
NAME	Scott A. Horstemeyer Thomas, Kayden, Horstemeyer & Risley, L.L.P.		
ADDRESS	100 Galleria Parkway Suite 1750		
CITY	Atlanta	STATE	Georgia
COUNTRY	U.S.A.	TELEPHONE	770-933-9500
Name (Print/Type)	Scott A. Horstemeyer	Registration No. (Attorney/Agent)	34,183
Signature			Date 07/31/03

2109 U.S.
 10/6/2017
 07/31/03



16533

PTO-85B/17 (01-03)
Approved for use through 10/31/2002. GMB 0591-0022U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revisions.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 592.00)

Complete if Known

Application Number	To be assigned
Filing Date	July 31, 2003
First Named Inventor	Farrokh Ayazi
Examiner Name	To be assigned
Group / Art Unit	To be assigned
Attorney Docket No.	062020-1440

METHOD OF PAYMENT (check all that apply)

 Check Credit Card Money Order Other None

 Deposit Account

Deposit Account Number

20-0778

Deposit Account Name

Thomas, Kayden, Horstemeyer Risley, L.L.P.

The Commissioner is authorized to: (check all that apply)

 Charge fee(s) indicated below Credit any overpayments
 Charge any additional fees(during the pendency of this application)
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
1001	750	2001	375	Utility Filing Fee	375.00
1002	330	2002	165	Design Filing Fee	
1003	520	2003	260	Plant Filing Fee	
1004	750	2004	375	Reissue Filing Fee	
1005	160	2005	80	Provisional Filing Fee	
SUBTOTAL (1)				(\$375.00)	

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	- 20** =	Extra Claims	Fee From	Fee Paid Below
Independent Claims	4	35 - 20** = 15	X 42.00	= 135.00
Multiple Dependent	4	3** = 1	X 42.00	= 42.00
				140.00 =

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description
1202	18	2202	9	Claims in excess of 20
1201	84	2201	42	Independent claims in excess of 3
1203	280	2203	140	Multiple dependent claim, if not paid
1204	84	2204	42	**Reissue independent claims over original patent
1205	18	2205	9	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2)				(\$177.00)

*or number previously paid, if greater; For Reissues, see above

FEES CALCULATION (continued)

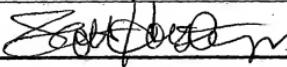
3. ADDITIONAL FEES
Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
1051	130	2051	65	Surcharge-late filing fee or oath	
1052	50	2052	25	Surcharge-late provisional filing fee or cover sheet	
1053	130	1053	130	Non-English specification	
1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
1804	920*	1804	920*	Requesting publication of SIR or to cancel action	
1805	1,840*	1805	1,840*	Requesting publication of SIR or to cancel action	
1251	110	2251	55	Extension for reply within first month	
1252	410	2252	205	Extension for reply within second month	
1253	930	2253	465	Extension for reply within third month	
1254	1,450	2254	725	Extension for reply within fourth month	
1255	1,970	2255	985	Extension for reply within fifth month	
1401	320	2401	160	Notice of Appeal	
1402	320	2402	160	Filing a brief in support of an appeal	
1403	280	2403	140	Request for oral hearing	
1451	1,510	1451	1,510	Petition to institute a public use proceeding	
1452	110	2452	55	Petition to revive- unavoidable	
1453	1,300	2453	650	Petition to revive-unintentional	
1501	1,300	2501	650	Utility issue fee (or reissue)	
1502	470	2502	235	Design issue fee	
1503	630	2503	315	Plant issue fee	
1460	130	1460	130	Petitions to the Commissioner	
1807	50	1807	50	Processing fee for filing a petition for reexamination	
1808	180	1806	180	Submission of Information Disclosure Stmt	
8021	40	8021	40	Recording each patent assignment per property (times number of proprietor) (if a transfer is submitted after final rejection) (37 CFR 1.129(a))	40.00
Other fee (specify)					
SUBTOTAL (3)				(\$ 40.00)	

*Reduced by Basic Filing Fee Paid

SUBMITTED BY

Complete (if applicable)

Type or Printed Name Signature	Scott A. Horstemeyer 	Registration No. 34,183	Telephone Number	770-933-9500
Date	07/31/03			

WARNING: Information on this form may become public. Credit Card Information should not

Be included on this form. Provide credit card information and authorization on PTO-2038

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Accordingly, it is mandatory that you respond. The information will be used for processing applications, examinations, and other USPTO business. The information will not be disclosed outside the USPTO. You are very dependent upon the individual case. Any comments on the amount of time you require to complete this form, or suggestions for reducing this burden, should be sent to the Chief Information Officer, Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re: **Ayazi, et al.**

For: **Capacitive Resonators and Methods of Fabrication**

CERTIFICATE OF EXPRESS MAIL

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Enclosed for filing in the above case are the following documents:

Return Postcard
Utility Patent Application Transmittal Page
Fee Transmittal Page
Utility Patent Application Consisting Of:
18 Pages of Specification
6 Pages of Claims (Claims 1-35)
1 Page of Abstract
12 Pages of Formal Drawings (Figs. 1-9)
Assignment/Assignment Cover Sheet (in duplicate)
Declaration and Power of Attorney

Further, the Commissioner is authorized to charge Deposit Account No. 20-0778 for any additional fees required. The Commissioner is requested to credit any excess fee paid to Deposit Account No. 20-0778.

Respectfully submitted,

Scott A. Horstemeyer, Reg. No. 34,183

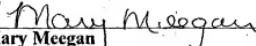

**THOMAS, KAYDEN, HORSTEMEYER
& RISLEY, L.L.P.**
100 Galleria Parkway, N.W.
Suite 1750
Atlanta, Georgia 30339-5948

Our Docket No: **62020-1440**

I hereby certify that all correspondence listed above are being deposited for delivery to the above addressee, with the United States Postal Service "**EXPRESS MAIL POST OFFICE TO ADDRESSEE**" service under 37 CFR §1.10 on the date indicated below:

The envelope has been given U.S. Postal Service "Express Mail Post Office To Addressee" Package # EV269335295US.

Date: 7-31-03


Mary Meegan